

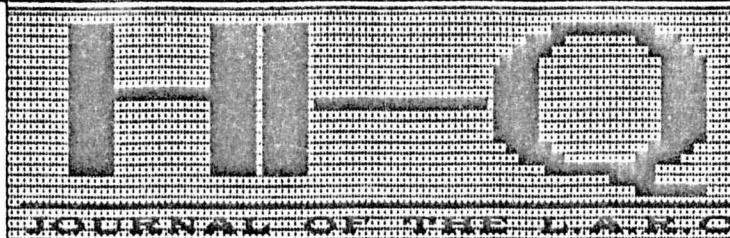
NOVEMBER

OCTOBER 1989

AMATEUR RADIO IN THUNDER BAY - ONTARIO

EDITED BY E.R.  
BAUMANN VE3SNW

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JOURNAL OF THE HILL CLUB

NEXT MEETING IS THURSDAY  
OCTOBER 19, 1989  
? NOVEMBER ?  
CONFEDERATION COLLEGE -  
MCINTYRE BUILDING

1930 HOURS

## JAMBOREE ON THE AIR 1989.....Norm Bell VE3XRC

During the weekend of October 21st and 22nd, 65 Cubs and Scouts, along with 14 leaders and/ Parents representing 5 groups participated in **JAMBOREE ON THE AIR** through the efforts of amateur radio stations VE3XRC and VE3EFC.

Due to a massive solar flare, propagation was almost non-existent on Saturday October 21st, but with the co-operation of two Thunder Bay amateurs, VE3NPS and VE3JAB, the boys were given a good demonstration on how high frequency radios work, even though the signals were of a ground plane nature across the city (the boys did not seem to notice). As well, the boys were also shown how 2 meter VHF radio works and were allowed to try their hand at Morse code on a straight key.

Sunday October 22nd turned out to be a better day. VE3XRC working on the 10 meter band was able to contact stations along the Gulf of Mexico (Texas, Mississippi, and Louisiana) while VE3EFC was able to contact stations along the east coast of the United States on the 20 meter band.

Considering the conditions from the solar flare, **JAMBOREE ON THE AIR** was quite successful and the boys got a good introduction to amateur radio.

## MORE NEWS FROM JAPAN.....JOHN VE3PHL

I finally got my October issue from Japan, late, but it got here and that's what counts. The big news this time is **HAM FAIR**. This is the Japanese version of the Dayton Hamfest. I think this Ham Fair is now larger than Dayton's. It sure looks bigger with 11 full colour pages and 80 colour photos that gives you an idea of what took place.

A photo showed the president of I.A.R.U. (WIRU) and president of J.A.R.L. playing with the new TS-950 with 8J1H looking on. As you would expect the crowds were large. A model of the rocket which will put JAS-1B into orbit was shown. Also as expected, there were all sorts of seminars and what appears to be an area where you can partake in hands-on projects, all put on by J.A.R.L. There were also several photos of groups receiving trophies.

You know those little TV's that hook up to show who's on the other end of the phone, seems the Japanese have started to use them to send photos via amateur radio. The picture showed one of these units hooked up to a FT-227R (2 meter mobile). Sound familiar Ed (SNW)? Another picture featured a 9600 baud

TNC by G3RUH (you are going to need one to work the new UoSats..Ed). Well, anyway, it seems to be a big fair, and yes ICOM, YAESU and KENWOOD showed off their new gear and the pretty Japanese models (did I say that!)

ICOM's new IC 970 is a big toy. It can come with rack mount handles. JRC showed off a 5 Kilowatt amplifier, no doubt for commercial use (no tower..MORE POWER!). Other new products were the handheld from YAESU, the FTH-103, AZDEN's PCS-6000R, a new repeater IC-RP1220, the GLR-1210 a 1200 MHz base transceiver, as well as power supplies and antennas.

KENWOOD, ICOM and YAESU brought out the new stuff in time for **HAM FAIR 1989**. I thought Charlotte or Dayton would get the honour, maybe next time.

73's and Sayonara.....VE3PHL

## PHL's DICTIONARY

**FINAL ACTUATION TIME:** the time of termination of the chatter of a relay following contact actuation.

**INVAR:** an alloy containing 63.8% iron, 36% nickel, and .2% carbon. Has a very low thermal coefficient of expansion. Used primarily as resistance wire in wirewound resistors.

**LINE DROP:** a voltage loss occurring between any two points in a power or transmission line. Such a loss, or drop, is due to the resistance, reactance, or leakage of the line. E.g. the voltage drop between a power source and load when the line supplying the power has excessive resistance for the amount of current.

**MEACHAM BRIDGE OSCILLATOR:** a crystal oscillator in which the crystal forms one arm of a bridge so as to obtain effective multiplication of the actual Q of the crystal.

**RF PLUMBING:** radio frequency transmission lines and associated equipment in the form of waveguides.

**WAVEGUIDES:** 1)a system of material boundaries capable of guiding electromagnetic waves. 2)a transmission line comprising of a hollow conducting tube within which electromagnetic waves are propagated on a solid dielectric or a dielectric filled conductor.

## UPCOMING EVENTS !!

OCTOBER 9th - regular meeting

## THE FOX SAYS.....

On Saturday October 14th, some poor devils tried to locate me, VE3PHL, *THE FOX*. I thought that I would be caught fairly quickly. WHAT TOOK YOU SO LONG?

I didn't show up at the Blue Parrot because 1) I didn't want to let them see my little antenna and 2) make sure no one followed me. When I left home I went down the expressway and then sat the the 61B junction for a while just in case. Then I went to Robins on Frederica to fuel up, and then proceeded to my hole. They figured I would be driving another car. WRONG. I had my own vehicle, plus my brother was on the first ledge of Mount McKay with a Bearcat/Uniden scanner. No communication between us, but we did discuss vehicle movement in my area *after the hunt was over*. Sneaky eh? I was able to debrief the day and I made one mistake. I didn't count on Tim VE3WCT being with Glen VE3JAU. When I mentioned VIA RAIL it sort of helped them.

It took them OVER TWO HOURS to find me. By not giving away good clues to Tim, I would say that they would have not caught me in under three hours, at which time I could go home.

It was fun, and at my next turn as the fox..... GUD LUK!

John.....VE3PHL

P.S. next hiding place will be a secret...hi...hi

The transmitter hunt was a fun event. Gwen VE3TRE, Tim VE3WCT and myself (and kids) piled into the mini van to take first place with Ine VE3OTV and Axel VE3OPF trailing right behind. John should have an article in this month's HI-Q so 'nuff said. By the way John, next time please stick to the beaten path!

I have left the YQT funding project in the hands of Skip VE3BBS, maybe he can update us at the next meeting.

VE3TBR (the repeater on St. Joseph Heritage) is still working but just marginally, so I'm hoping that this year it can be revamped to operate at its full potential.....I remember the days I could operate TBR from the in-laws kitchen table out in Nolalu with a handheld and duckie!

Mr. Bruce Andrews from the Jeep 500 snowmobile race has contacted me and plans on again utilizing the club for its communications. No details yet, but there is still time left, the race isn't until the first weekend in February 1990. Please mark this down on your calendar as it is one of our most important public service events. Bruce is planning on attending our next meeting to give the membership an overview of what the proposals for the race are and answer any questions you may have. Please attend.

On a personal note, jobs around the home garden have been interfering with my hobby. I do get to operate 40meter mobile to and from work. As I have about a 40 minute drive, I have lots of time to operate. Signals have been quite good and I have been successful working the twin cities, Ohio and Iowa. I have worked a station as far away as St. Augustine, Florida with a 5-7 report. I have also managed to put up some dipoles earlier this summer and was working AM on 20 meters and 15 meters.

Linda VE3NHX gave me the DIGICOM-64 TNC emulator modem to complete and finally have that working on packet. However, with being 30 miles from town I am experiencing some difficulties receiving the digipeater TBN. I can work Gerry VE3KRZ when he has his 14 element pointing my way. Hopefully Erik VE3EBL will have his station up at VE3LUE (Lakehead University club station) and provide a digipeat for me to link into the city. If you are not already involved in the packet scene, packet has to be the fastest growing facet of amateur radio today. The technology and equipment is always upgrading, but don't worry as the older stuff should always be compatible with the new. Get involved....we need more operators to make it more interesting.

So remember the meeting in November 9th....it should be interesting and I should have some info for you on a variety of subjects.

73's for now  
Glenn VE3JAU

## PRES SEZ

As this is my first PREZ SEZ since taking office I would like to say how pleased I am to take the position and hope to serve the L.A.R.C. as best I can. A note of thanks goes out to the previous members of the executive for their dedication to the club....it's good to know that there are still many active members.

First of all, I would like to wish Gabe VE3ILX good luck in his new job with Ontario Hydro and the move to Fort Francis. We will miss his dedication. Also word has it that James will be leaving us for Big Trout Lake .....73's and stay away from the "blueberry blondes" James. (I am calling youhooohooohoo...will you answer truehooohooohoo.....Ed)

With the new change of executive there is always a bit of back tracking....I have been in contact with the deputy fire chief in charge of the Vickers Street station to get the status on our tower/station installation. Apparently, he would like us to submit a proposal to the City Engineering department as to how the antenna can be affixed to the hose drying tower. By the time you have read this I will have already submitted a proposal for acceptance and may need to have word at the next meeting.

**MONEY TALK OCTOBER 1989**
**CONTACT ERIC VE3EBL FOR MORE INFO**
**ITEM**
**RECEIPTS:**

MEMBERSHIPS	338.88
BANK INTEREST	31.78
DONATIONS	188.88
OTHER (CLASS TUITIONS)	1215.88
<b>TOTAL RECEIPTS</b>	<b>1676.78</b>

**EXPENSES:**

ADMIN	22.15
HI-Q (WORTH EVERY PENNY)	44.12
PHONE	181.61
TBR	
YQT	
FW	8.23
<b>SPECIAL FUNDS</b>	
EVENTS	39.83
OTHER	
<b>TOTAL EXPENSES</b>	<b>215.11</b>

CURRENT BALANCE	3789.66
SAVING ACCT	2978.87
CHEQUING ACCT	382.68
CHARITY ACCT	378.91
PETTY CASH	58.88
<b>BALANCE</b>	<b>3789.66</b>

Thanks go out this month to John VE3PHL, Glenn VE3JAU, and Erik VE3EBL for their contributions to this months HI-Q. Send your product review, story, project, opinion, news, or whatever to 736 S. Norah St., Thunder Bay, Ontario, Canada, P7E 1P7

Until next month..73's  
Ed VE3SNW

Hello there everybody. I guess I'm now treasurer for the L.A.R.C. I'm using the same software Gabe VE3ILX was using so the financial stuff will still be the same (except for a few small changes while I figure out how it works !) so if you have any questions, give Gabe all (hi hi) seriously, if you do have any questions give me a call on YQT or at home 475-8511 anytime. If I'm not home leave a message and I'll get back to you soon as I can. If you can figure out that statement, o.k. If you can't, we have \$3,789.66 of which \$338.88 is from paid up memberships (BIG HINT) and \$1,215.88 is from this years radio classes. There is some other small stuff you can get by reading it.

As some of you know I am now a student a Lakehead University in Electrical Engineering (last week he couldn't spell engineer...Ed) and I am getting VE3LUE on the air. I would like to thank Frank VE30TZ and John VE30TC for their help with the beam and rotor; and Dave at VE3SWC for the nice job of cleaning up the rotor. I would also like to thank Glenn VE3JAU and Tim VE3WCT of GT Enterprises for the donation of centre insulators and Tony at TH Electronics for the packet terminal.

The station should be up and running soon. If anybody has some coax or rotor cable they could donate, it would be greatly appreciated and the club is operating on a budget of zero dollars and every little bit helps. If you are interested in the station, give me a call.

Bye for now

Erik Lehtinen, VE3EBL

Treasurer Pro Tem

**MEMBERSHIPS ARE NOW DUE, BEAT THE PROPOSED INCREASE RENEW/JOIN NOW AND GET THIS NEAT NEWSLETTER DELIVERED TO YOUR DOOR!**

**YES! SIGN ME UP NOW! ENCLOSED FIND MY CHEQUE/MONEY ORDER FOR TWENTY FIVE BUCKS (please don't mail cash)**

NAME \_\_\_\_\_ CALL \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

MAIL/DROP OFF/DELIVER/DOG SLED/SKI/FLY TO

K LEHTINEN VE3EBL

LARC TREASURER

448 HEATHER CRESCENT

THUNDER BAY, ONTARIO, CANADA

P7E 5K9

**POOR? ASK ABOUT ASSOCIATE MEMBERSHIPS. RICH? WHY NOT CONSIDER A DONATION!**